

NEW PRODUCT BULLETIN

from **AutomationDirect**



IRONHORSE

General Purpose Motors

Super quality at great prices

You asked for general purpose motors, so we sourced this line of general purpose motors from a manufacturer who has nearly three decades of solid experience and reliability in the North American motor market.

When you combine that with AutomationDirect's great pricing and same-day shipping, you have a winning combination.

Independently tested for quality at:
www.advancedenergy.org

Advanced Energy is North America's leading independent motor test lab, and they put the IronHorse motors through rigorous mechanical and electrical tests to confirm our quality requirements.



2-year warranty on IronHorse motors!



MTC Series
starting at
\$120.00

MTR Series
starting at
\$96.00

T Frame Cast Iron (MTC)

Industrial Duty
three-phase, 208-230/460 Volt
up to 300 hp, TEFC enclosure

- EPACT rated
- Premium grade quality
- All cast iron frames
- Drive-end ball bearings or roller bearings available on all large horsepower motors
- Electrically reversible

56C Frame Motors Rolled Steel (MTR)

Single-phase, 115/208-230 Volt
0.33 to 2 hp, TEFC enclosure

- Capacitor start
- Electrically reversible
- Removable bolt on - bolt off base
- Industrial gauge steel motor frame and base

Three-phase, 208-230/460 Volt
0.33 to 2 hp, TEFC Enclosure

- Electrically reversible
- Removable bolt on - bolt off base
- Industrial gauge steel motor frame and base

For complete motor specifications please visit:
<http://motors.automationdirect.com>

Ironhorse General Purpose Motors

T Frame TEFC Motors – Three-phase Industrial Duty – 1 to 300 hp

Applications

- Fans
- Conveyors
- Pumps
- Material Handling
- Metal Processing
- Textile Processing
- Test Stands



Features

- Totally Enclosed Fan Cooled (TEFC) enclosure
- NEMA T frame with available C-flange kits
- Cast iron frame with ribbed design for maximum cooling
- Solid full frame length cast iron mounting feet
- Steel fan cover
- Cast iron junction box with rubber gasket and rubber dust cover
- NSK/SKF brand premium quality ball or roller bearings
- Maintenance free bearings (10 hp and below)
- V-ring shaft seals on drive end and on opposite drive end
- Electrically reversible
- Class F winding insulation
- Service Factor: 1.15 (1.0 with AC drive)
- High efficiency η CSA_{US} certified, ISO9001, CE, EPACT certified
- Inverter ratings: 5:1 (variable torque); 2:1 (constant torque)
- Two year warranty

Motor Specifications – T Frame Three Phase Motors						
Part Number	Price	HP	Voltage	NEMA Frame	Mounting	F.L. Amps @230V/460V
MTC-001-3BD18	\$120.00	1	208-230/460	143T	F1/F2	3.0 / 1.5
MTC-1P5-3BD18	\$145.00	1.5		145T	F1/F2	4.2 / 2.1
MTC-002-3BD18	\$153.00	2		145T	F1/F2	5.4 / 2.7
MTC-003-3BD18	\$213.00	3		182T	F1/F2	7.72 / 3.86
MTC-005-3BD18 ¹	\$241.00	5		184T	F1/F2	11.8 / 5.9
MTC-7P5-3BD18 ¹	\$347.00	7.5		213T	F1/F2	18.6 / 9.3
MTC-010-3BD18 ¹	\$375.00	10		215T	F1/F2	24.8 / 12.4
MTC-015-3BD18 ¹	\$560.00	15		254T	F1/F2	35.4 / 17.7
MTC-020-3BD18 ¹	\$605.00	20		256T	F1/F2	47.6 / 23.8
MTC-025-3BD18 ¹	\$850.00	25		284T	F1	56.4 / 28.2
MTC-030-3BD18 ¹	\$900.00	30		286T	F1	67.2 / 33.6
MTC-040-3BD18 ¹	\$1,155.00	40		324T	F1	93.0 / 46.5
MTC-050-3BD18 ^{1,2}	\$1,500.00	50 ²		326T	F1	114.6 / 57.3
MTC-060-3BD18 ^{1,2}	\$1,865.00	60 ²		364T	F1	139.4 / 69.7
MTC-075-3BD18 ^{1,2}	\$2,135.00	75 ²	365T	F1	172.8 / 86.4	
MTC-100-3BD18 ^{1,2}	\$2,470.00	100 ²	405T	F1	230 / 115	
MTC-125-3BD18 ^{1,2}	\$3,515.00	125 ²	444T	F1/F2	274 / 137	
MTC-150-3BD18 ^{1,2}	\$3,810.00	150 ²	445T	F1/F2	326 / 163	
MTC-200-3BD18 ^{1,2}	\$5,040.00	200 ²	445/7T	F1	446 / 223	
MTC-250-3D18 ^{1,2}	\$6,240.00	250 ²	460	449T	F1	- / 282
MTC-300-3D18 ^{1,2}	\$8,197.00	300 ²		449T	F1	- / 334

Note: Please review the AutomationDirect Terms & Conditions for warranty & service on this product.
 1) For motors weighing over 100 lbs: A) LTL shipment required. B) Order before 4:00 p.m. EST for same day shipment. C) You must receive at a loading dock. D) Not available in HI or Puerto Rico.
 2) For warranty on motors 50 hp and above, motors must be inspected by an EASA motor repair or service center. See AutomationDirect Terms & Conditions for details.

56C Frame TEFC Motors – 1/3 to 2 hp Single-phase and Three-phase



Three-Phase



Single-Phase

Features

- Totally Enclosed Fan Cooled (TEFC) enclosure
- NEMA 56C flange mount
- Rolled steel shell frame / cast aluminum end bell
- Removable base / bolt-on/bolt-off mounting feet
- Steel fan cover
- Large all-metal capacitor cover with rubber gasket and oversized capacitors (single phase motors only)
- Large easy-to-wire junction box with rubber gasket
- Heavy duty oversized ball bearings
- High tensile strength steel shaft
- Cast aluminum end bells
- Large all-metal nameplate with easy to read wiring diagram
- Electrically reversible
- NEMA design B
- Class F winding insulation
- Service Factor: 1.15 across-the-line (1.0 for 3-phase with AC drive)
- Two year warranty
- η CSA_{US} certified

Applications

- Conveyors
- Fans
- Gear Reducers
- Pumps
- Inverter capable (3-phase only)

Motor Specifications Single-phase 56C Frame Motors			
Part Number	Price	HP	F.L. Amps @ 115V/230V
MTR-P33-1AB18	\$96.00	1/3	6.6 / 3.3
MTR-P50-1AB18	\$99.00	1/2	8.8 / 4.4
MTR-P75-1AB18	\$110.00	3/4	11.0 / 5.5
MTR-001-1AB18	\$123.00	1	13.6 / 6.8
MTR-1P5-1AB18	\$152.00	1-1/2	15.2 / 7.6
MTR-002-1AB18	\$185.00	2	20.0 / 10.0
Three-phase 56C Frame Motors			
MTR-P33-3BD18	\$97.00	1/3	1.6 / 0.8
MTR-P50-3BD18	\$99.00	1/2	2.0 / 1.0
MTR-P75-3BD18	\$112.00	3/4	2.8 / 1.4
MTR-001-3BD18	\$125.00	1	3.6 / 1.8
MTR-1P5-3BD18	\$145.00	1-1/2	4.8 / 2.4
MTR-002-3BD18	\$165.00	2	6.0 / 3.0

Note: Please review the AutomationDirect Terms & Conditions for warranty and service on this product.

© Copyright 2007 AutomationDirect.com
 Encompassing PLC Direct
 by Koyo



the #1 value in automation

© Copyright 2006 AutomationDirect, Cumming, GA USA. All rights reserved.

AUTOMATIONDIRECT.com

www.automationdirect.com | 1-800-633-0405